

C.O.C 51

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776 9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711 (425) 420-9200 X 420-9210 (509) 924-9200 X 924-9290

(503) 906-9200 FAX 906-9210 (541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order # M1 Occor

REPORT TO ANARE KINGGREEN AND AND AND AND AND AND AND AND AND AN	CLIENT: Bristol			*.	Tnuc			, ,						OTO	Τ . /				
ADDRESS: Anchother John AK PHONE 770 - 0974 FAX: 770 - 0975 PO. NUMBER: 21090 SMELTED BY: ARK / CRIN CLIENT SAMPLE SAMPLING DATETTME: TO A SAMPLING DISTRIBUTED ANALYSES PROBLEM TRY CRIN ANTERN 90F NATERN 90F NATE	REPORT TO: A				INVO	ICE TO	D: 15	rist	ol						TUR				Days*
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425.420.9200 fax 425.420.9210

Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776

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6 December, 2001

Anne Kranawetter Bristol Environmental & Engineering 2000 W International Airport C#1 Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/04/01 16:36. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson

Environmental Group Leader

1112

Work Orders included in this report:

M106007



Anchorage, AK 99502-1116

Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported: 06/07/01 13:22

Project Manager: Anne Kranawetter

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC5025L	M106007-01	Soil	06/04/01 15:30	06/04/01 16:36
01AMC5035L	M106007-02	Soil	06/04/01 15:33	06/04/01 16:36
01AMC5045L	M106007-03	Soil	06/04/01 15:36	06/04/01 16:36
01AMC5055L	M106007-04	Soil	06/04/01 15:39	06/04/01 16:36
01AMC5065L	M106007-05	Soil	06/04/01 15:42	06/04/01 16:36
01AMC5075L	M106007-06	Soil	06/04/01 15:45	06/04/01 16:36
01AMC5085L	M106007-07	Soil	06/04/01 15:50	06/04/01 16:36
01AMC5095L	M106007-08	Soil	06/04/01 15:53	06/04/01 16:36
01AMC5105L	M106007-09	Soil	06/04/01 15:56	06/04/01 16:36

COC # 51

North Creek Analytical - Mobile Lab



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Bristol Environmental & Engineering 2000 W International Airport C#1

Project: Amchitka
Project Number: 21090

Reported:

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

06/07/01 13:22

Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

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Analyte	Result	Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC5025L (M106007-01) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	/01	
Gasoline Range Hydrocarbons	ND	9.50	mg/kg	1	NWTPH HCI	D 06/05/01	06/06/01	0106017	
Diesel Range Hydrocarbons	218	23.7	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	102	47.5	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	118 %	50-150							
01AMC5035L (M106007-02) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	01	
Gasoline Range Hydrocarbons	ND	9.43	mg/kg	1	NWTPH HCI	D 06/05/01	06/05/01	0106017	
Diesel Range Hydrocarbons	386	23.6	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	47.2	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	113 %	50-150							
01AMC5045L (M106007-03) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	01	R-05
Gasoline Range Hydrocarbons	6110	98.0	mg/kg	1	NWTPH HCI	D 06/05/01	06/05/01	0106017	
Diesel Range Hydrocarbons	30900	245	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	490	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	NR	50-150							S-02
01AMC5055L (M106007-04) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	01	R-05
Gasoline Range Hydrocarbons	5380	99.4	mg/kg	1	NWTPH HCI	D 06/05/01	06/05/01	0106017	
Diesel Range Hydrocarbons	11400	249	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	569	497	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	145 %	50-150							
01AMC5065L (M106007-05) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	01	R-05
Gasoline Range Hydrocarbons	4570	97.7	mg/kg	1	NWTPH HCI	D 06/05/01	06/05/01	0106017	
Diesel Range Hydrocarbons	2560	244	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	1050	488	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	122 %	50-150							

North Creek Analytical - Mobile Lab



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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Reported:

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter

06/07/01 13:22

Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC5075L (M106007-06) Soil					Sampled: 06	/04/01 Rece	ived: 06/04/	01	
Gasoline Range Hydrocarbons	644	9.74	mg/kg	1	NWTPH HCI	D 06/05/01	06/06/01	0106017	
Diesel Range Hydrocarbons	1140	24.3	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	315	48.7	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	126 %	50-150							
01AMC5085L (M106007-07) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	01	R-05
Gasoline Range Hydrocarbons	560	93.6	mg/kg	1	NWTPH HCI	D 06/05/01	06/05/01	0106017	
Diesel Range Hydrocarbons	4650	234	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	ND	468	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	132 %	50-150							
01AMC5095L (M106007-08) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	01	
Gasoline Range Hydrocarbons	283	8.72	mg/kg	1	NWTPH HCI	D 06/05/01	06/06/01	0106017	
Diesel Range Hydrocarbons	321	21.8	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	382	43.6	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	119 %	50-150							
01AMC5105L (M106007-09) Soil					Sampled: 06	/04/01 Rece	eived: 06/04/	01	
Gasoline Range Hydrocarbons	ND	9.55	mg/kg	1	NWTPH HCI	D 06/05/01	06/05/01	0106017	
Diesel Range Hydrocarbons	34.3	23.9	"	"	"	"	"	"	
Heavy Oil Range Hydrocarbons	105	47.8	"	"	"	"	"	"	
Surr: 1-Chlorooctadecane	111 %	50-150							

North Creek Analytical - Mobile Lab



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Bristol Environmental & Engineering 2000 W International Airport C#1

Project: Amchitka
Project Number: 21090

Reported: 06/07/01 13:22

Anchorage, AK 99502-1116

Project Manager: Anne Kranawetter

Hydrocarbon Identification per NW-TPH Methodology - Quality Control

North Creek Analytical - Mobile Lab

		Reporting		Spike	Source		%REC		RPD		
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	

Batch 0106017 - TPH-HCID (WA)

Blank (0106017-BLK1)				Prepared &	Analyzed: 06/05/0	1
Gasoline Range Hydrocarbons	ND	10.0	mg/kg			
Diesel Range Hydrocarbons	ND	25.0	"			
Heavy Oil Range Hydrocarbons	ND	50.0	"			
Surr: 1-Chlorooctadecane	10.7		"	10.0	107 .5	50-150

North Creek Analytical - Mobile Lab



Reported:

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Bristol Environmental & Engineering Project: Amchitka 2000 W International Airport C#1 Project Number: 21090

Anchorage, AK 99502-1116 Project Manager: Anne Kranawetter 06/07/01 13:22

Notes and Definitions

R-05 Reporting limits raised due to dilution necessary for analysis.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds

present in the sample.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106007 FINAL 06 07 01 1322.mdb
			Default Report (not modified)
M106007-03	NW-HCID mod		R-05
M106007-03	NW-HCID mod	1-Chlorooctadecane	S-02
M106007-03	NW-HCID mod	1-Chlorooctadecane	Exceeds upper control limit
M106007-04	NW-HCID mod		R-05
M106007-05	NW-HCID mod		R-05
M106007-07	NW-HCID mod		R-05